

What is Claimed is:

1. A button control for use in game control consoles, comprising:

a casing of the game control console;

5 a printed circuit board within said casing and a button installed within said casing but can be controlled from without said casing; and

a movable body responsive to said button can be displaced in the same axis linearly, and such linear displacement can enable an electrical device such that analog signal output correlating to said displacement is produced.

10 2. The button control for use in game control consoles, as recited in claim 1, wherein said moving body is a conductor; said electrical device comprise of a pair of electrical resistors connected to the printed circuit board; and said conductor is in contact with both resistors and can move between them.

15 3. The button control for use in game control consoles, as recited in claim 1, wherein said moving body is a card with apertures, said electrical device comprises of an emitter and receiver, set apart and facing each other on the printed circuit board; and said card can move between said emitter and receiver.

20 4. The button control for use in game control consoles, as recited in claim 1, wherein said moving body is a conducting jell, said electrical device is a plurality of conducting tracks on the printed circuit board; and the displacement of said conducting jell results in varying the area of contact between the jell and the tracks.

5. The button control for use in game control consoles, as recited in claim 1, wherein said moving body is conducting jell, said electrical device comprises of carbon ink on the printed circuit board; and the displacement of said conducting jell results in varying the contact area with the carbon ink.

25 6. A button control for use in game control consoles, comprising:

a casing of the game control console;

a button contained within said casing but controlled from without said casing;

and

5 a movable body responsive to said button for displacement in same axis linearly, and such linear displacement can enable an electrical device such that analog signal output correlating to said displacement is produced.

7. The button control for use in game control consoles, as recited in claim 6, wherein said moving body is a conductor, said electrical device comprises of a pair of electrical resistors connected to the printed circuit board; and said conductor is in contact  
10 with both resistors and can move between them.

8. The button control for use in game control consoles, as recited in claim 6, wherein said moving body is conducting jell, said electrical device is a plurality of conducting tracks on the printed circuit board; and the displacement of said conducting jell can result varying the area of contact between jell and the tracks.

15 9. The button control for use in game control consoles, as recited in claim 6, wherein said moving body is a conducting jell, said electrical device comprises of carbon ink on the printed circuit board; and the displacement of said conducting jell can result in varying the contact area between jell and the carbon ink.

10. A button control for use in game control consoles, comprising:

20 a casing of the game control console;

a printed circuit board within said casing and a button installed within said casing but can be controlled from without said casing, said printed circuit board has emitter and receiver relative to the bottom surface of said button and light emitted from the emitter is reflected off said bottom surface and received by the receiver; and as said  
25 button is displaced linearly, the distance to the emitter and receiver changes and varies the analog signal output.